

In the Specifications

Please amend the specification on page 59, beginning at line 22, as follows:

In some embodiments, the PBX functionality alone may be sufficient. However, use of the internet for telephony is a growing market, and websites such as ~~www.net2phone.com~~ already exist to allow long distance telephone conversations to take place over the internet regardless of distance for 10 cents per minute. To allow users to take advantage of these services, PCs on LANs 18 and 20 will need to be equipped with microphones and speakers. In such a class of embodiments, the IP & PBX telephony circuit 352 will include circuitry to digitize analog voice signals arriving from the extension phones via conventional phone lines 354. The IP & PBX telephone circuit 352 may also include packetization circuitry in some embodiments to receive Ethernet packets carrying digitized voice from the PCs on LANs 18 or 20 from router 86 via bus 356 and packetize them into IP packets addressed to the internet server providing the IP telephony services. These IP packets are then sent back over bus 356 to router 86 where they are routed to the server identified in the destination address of the IP packet. The routing can be least cost routing if multiple high bandwidth upstream media such as HFC and ADSL upstream high speed internet access modules such as DOCSIS modem 70 and ADSL modem 182 are present in the gateway. In other embodiments, the PBX expansion module 352 will do call control switching and provide other services between extension lines 354 and the CO trunk lines, and analog telephone signals from the extension phones on line 354 will be digitized and packetized into an IP packet addressed to an IP telephone server on the internet whose IP address is fixed and known to be the IP address to which the telephone data from the conventional POTS telephones is to be directed.